

*Table of Contents*

Water Quality of the Lower Roanoke River, 1991-1993, <i>Roger A. Rulifson</i> .....	161
Methods .....	161
Roanoke Delta and Western Sound, 1991.....	161
Upstream Water Quality, 1991-1993.....	162
1991 Conditions.....	162
1992 Conditions.....	162
1993 Conditions.....	162
Striped Bass, 1991-1993.....	177
Roanoke River Sport Fishery Creel Survey, Spring 1991 - Spring 1993, <i>Kent L. Nelson</i> .....	177
Methods .....	177
Results .....	179
Assessment of Striped Bass Spawning Stock in Roanoke River, <i>Kent L. Nelson</i> .....	183
Commercial and Recreational Landings of Striped Bass in Albemarle Sound, 1991-1993, <i>Lynn T. Henry</i> .....	186
Update on Striped Bass Regulations, <i>Lynn T. Henry</i> .....	190
Abundance and Viability of Striped Bass Eggs Spawned in the Roanoke River, 1991-1993, <i>Roger A. Rulifson</i> .....	202
Spawning, 1991 .....	202
Spawning, 1992 .....	204
Spawning, 1993 .....	206
Juvenile Abundance Index of Young-of-Year Striped Bass, 1988-1993, <i>Lynn T. Henry and Stephen D. Taylor</i> .....	212
Age, Growth, and Survival of Juvenile Striped Bass Determined by Counting Daily Growth Rings on Otoliths, 1990-1992, <i>Roger A. Rulifson, J. Jeffery Isely, and             Charles S. Manooch, III</i> .....	226
Young-of-Year Collection.....	226
Aging YOY Striped Bass .....	226
Calculating Relative Survival .....	232
The 1990 Year Class .....	232
The 1991 Year Class .....	233
The 1992 Year Class .....	233
Conclusions and Management Implications.....	237
Food Habits of Juvenile Striped Bass in Albemarle Sound, NC, 1991, <i>John E.             Cooper and Scott F. Wood</i> .....	239
Introduction .....	239
Methods .....	239
Results and Discussion .....	239
Summary .....	240
Larval Striped Bass Abundance in the Lower Roanoke River, Delta, and Western Albemarle Sound, 1990-1991, <i>Roger A. Rulifson, John E. Cooper,             and Scott F. Wood</i> .....	242
Methods .....	242
Larval Abundance.....	244
Larval Feeding .....	244
Relative Abundance of Species Other Than Striped Bass in Western Albemarle Sound Trawling Surveys, 1982-1993, <i>Lynn T. Henry and Charles S. Manooch, III</i> .....	253
White Perch, YOY .....	253
Blueback Herring, YOY .....	254
Alewife, YOY.....	254
American Shad, YOY.....	254
Atlantic Menhaden, YOY.....	254